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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,764	03/22/2005	Calin Turcanu	60091.00384	4676
32294 7590 09/15/2010 SQUIRE, SANDERS & DEMPSEY L.L.P. 8000 TOWERS CRESCENT DRIVE 14TH FLOOR VIENNA, VA 22182-6212				
EXAMINER DOAN, PHUOC HUU				
ART UNIT 2617		PAPER NUMBER		
NOTIFICATION DATE 09/15/2010		DELIVERY MODE ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPGENERALTYC@SSD.COM  
SWHITNEY@SSD.COM

### Office Action Summary

**Application No.**

10/528,764

**Applicant(s)**

TURCANU, CALIN

**Examiner**

PHUOC DOAN

**Art Unit**

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 July 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8, 12-18, 22 and 23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 12, 22 and 23 is/are allowed.
- 6) ☒ Claim(s) 1-8 and 13-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/06)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Response to Arguments*

Applicant's arguments with respect to claims 1-8, 12-18, 22-23 have been considered but are moot in view of the new ground(s) of rejection.

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8, 13-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pimentel (US Pub No. 2003/0214970 in view of Martin (US Pub No. 2003/0055912) and further in view of Salmi (US Pub No. 2005/0259604).

As to claim 1, Pimentel discloses a method comprising: utilizing a particular protocol **“means for choosing a protocol using a characteristic of the mobile terminated message...”** between a server “Fig. 5, item 84” and user equipment “Fig. 5, item 24” (see paragraphs [14-17, 33] “a protocol for communicating between a wireless device and server”) in a transmission

of a messaging service message from a sender in a first system having a first structure for messages to a receiver of a second system having a second structure for the message (see paragraphs [14-18, 29-33] "a wireless application gateway comprises an application programming interface receiving a mobile sender and receiver which controlled by formatted a routing layer selecting a protocols, and choosing a protocol using of the mobile originated message, generating a formatted mobile originated message using the protocol to applied a WAP protocol, user mobile device can sent, received, and displayed the SMS messages on the mobile telephone"). However, Pimentel does not disclose the bearer independent protocol is above a bearer protocol in a protocol stack.

In the same field of endeavor, Martin discloses the bearer independent protocol is above a bearer protocol in a protocol stack (see paragraphs [6, 87-89] **"independent protocol defined by protocols are providing access to bearers such as UDP, TCP, and protocol stacks that in that indicated for sub layers protocol to support the SMS message or information message in associated with protocols as specify can be view by mobile device; for example Handheld Device Markup Language (HDML) WEB BROWSER "**). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide of utilizing a

bearer independent protocol proving access to bearers as taught by Martin to the system of Pimentel in order to allow it's converted, or formatted a communication messages in reliable telecommunication system. Pimentel, Martin unclearly explicitly discloses a bearer independent protocol between a server and user equipment in a transmission of a messaging services from sender to a receiver of a second system. Salmi clearly discloses disclose a bearer independent protocol between a server and user equipment in a transmission of a messaging services from sender to a receiver of a second system (par [0049, 0051, 0089-0090, 0120] "applied independent protocol that allowed user equipment or mobile station communicate with a server 20 where a message has converted between mobile station and server by went through the different networks GSM, GPRS where independent protocol supported in specific WAP protocol layers have been used"). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to provide the above teaching of Salmi to Pimentel, Martin in order to transfer messages without additional processing to receiver.

**As to claim 2**, Pimentel further discloses the method according to claim 1, further comprising: receiving the message having the first structure in a server comprising an application according to the bearer independent

protocol (par [0031-0033]); converting the message to have a structure of the bearer independent protocol (page 3, par. [0033]), and transmitting the converted message from the server to the receiver's equipment using the bearer independent protocol (page 4, par [0036]).

**As to claim 3**, Pimentel further discloses the method according to claim 1, further comprising: transmitting the message from the sender's equipment to the receiver's equipment using the bearer independent protocol (page 3, par [0034-0035]).

**As to claim 4, 16**, Pimentel further discloses further comprising: (page 3, par [0033-0035]); converting the message to have the second structure when the message transmission to the receiver's (page 3, par [0033-0035]; and transmitting the message to the receiver's equipment in the second structure (page 3, par. [0033-0035]).

**As to claim 5**, Pementel further discloses receiving the message sent from the sender's equipment according to the bearer independent protocol and having a bearer independent protocol structure in a server comprising an application according to the bearer independent protocol (paragraphs [38-39]); converting the received message from the bearer independent protocol structure to the second structure (paragraph [36]); and transmitting the

converted message from the server to the receiver's equipment (paragraphs [30, 33]).

**As to claim 6**, Pimentel further discloses the method according to claim 1 further comprising: receiving the message having the bearer independent protocol structure in a server comprising an application according to the bearer independent protocol (page 3, par. [0030], [0034]); converting the message to have the second structure (page 3, par. [0031-0033]); and transmitting the converted message from the server to the receiver's equipment (page 3, par. 0034-0035], page 4, par. [0036]).

**As to claim 7**, further discloses all the limitations of claim in paragraphs [34] "results of user message success or failure of an MT SM to reach the wireless device and alarms are sent from the protocol layer via a formatted".

**As to claim, 17**, Pimentel further discloses all the limitations of claim in page 3, par 0034], page 4, par [0036].

**As to claim 8, 18**, Pimentel further discloses all the limitations of claim in page 4, par. [0041] "**employ an IP interface to provision for UDP/IP services**".

**As to claim 13**, Pimentel discloses a system comprising at a first system having a first structure for messaging service messages (page 1, par

[0003-0010]); a second system having a second structure for the messages (page 1, par. [0010], page 2, par. [0014-0018]); and a server "Fig. 1, item 84 that indicated Backend systems 84" via which a message is transmitted from the first system to the second system **"multiple integrated networks, page 3, par [0029]"** (page 3, par [0030-0037] "first system to the second system is a **multiple integrated networks to use protocol for between communication, for example: TCP/IP, SMS**); wherein the server being configured to utilize a bearer independent protocol for transmitting the message (page 3 through page 4, par. [0034-0039]). However, Pimentel does not disclose the bearer independent protocol is above a bearer protocol in a protocol stack.

In the same field of endeavor, Martin discloses the bearer independent protocol is above a bearer protocol in a protocol stack (see paragraphs [6, 87-89] **"independent protocol defined by protocols are providing access to bearers such as UDP, TCP, and protocol stacks that in that indicated for sub layers protocol to support the SMS message or information message in associated with protocols as specify can be view by mobile device; for example Handheld Device Markup Language (HDML) WEB BROWSER "**). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide of utilizing a



bearer independent protocol proving access to bearers as taught by Martin to the system of Pimentel in order to allow it's converted, or formatted a communication messages in reliable telecommunication system. Pimentel, Martin unclearly explicitly discloses a bearer independent protocol between a server and user equipment in a transmission of a messaging services from sender to a receiver of a second system. Salmi clearly discloses disclose a bearer independent protocol between a server and user equipment in a transmission of a messaging services from sender to a receiver of a second system (par [0049, 0051, 0089-0090, 0120] "applied independent protocol that allowed user equipment or mobile station communicate with a server 20 where a message has converted between mobile station and server by went through the different networks GSM, GPRS where independent protocol supported in specific WAP protocol layers have been used"). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to provide the above teaching of Salmi to Pimentel, Martin in order to transfer messages without additional processing to receiver.

**As to claim 14**, Pimentel further discloses wherein the processor is configured (page 4, par [0039]), in response to receiving the message having the first structure (page 3, par [0035]), to convert the message to have a

structure according to the bearer independent protocol before forwarding the message (page 4, par [0036]).

**As to claim 15**, Pimentel further discloses wherein the processor is configured (page 3, par [0030-0033]), in response to receiving a message having a structure according to the bearer independent protocol (page 3, par [0034]), to convert the message to have the second structure before forwarding the message (page 4, par. [0036]).

#### ***Allowable Subject Matter***

2. Claims 12, 22-23 are allowed.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC DOAN whose telephone number is (571)272-7920. The examiner can normally be reached on 10:00AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LESTER KINCAID can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHUOC DOAN/  
Examiner, Art Unit 2617